

# Rock Identification - Station Lab

**Directions:**

- There are 14 different rock samples placed around the room. Choose one to start.
- Record your observations and use the Rocks/Mineral guide for more information.
- Once you are done, you may go to another station.

Marble	Sedimentary / Igneous / Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Foliated or Non-Foliated?		

Limestone	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
		Where is it found?

- ① **Compare and contrast Limestone and Marble: 2 differences and 2 similarities**

<b>c</b> Granite	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Crystal/Grain size?</p> <p>Mafic or Felsic?</p>		<p>Intrusive or Extrusive?</p>

<b>d</b> Gneiss	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Foliated or Non-Foliated?</p>		

- Compare and contrast Granite and Gneiss: 2 differences and 2 similarities

<b>Coal</b>	<b>Sedimentary / Igneous/ Metamorphic</b>	
<b>What does it look like?</b>	<b>What does it feel like?</b>	<b>What is it made of?</b>
		<b>Where is it found?</b>

<b>Obsidian</b>	<b>Sedimentary / Igneous/ Metamorphic</b>	
<b>What does it look like?</b>	<b>What does it feel like?</b>	<b>What is it made of?</b>
<b>Crystal/Grain size?</b>		
<b>Mafic or Felsic?</b>		<b>Intrusive or Extrusive?</b>

- Compare and contrast Obsidian and Coal: 2 differences and 2 similarities

08

Sandstone	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
		Where is found?

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Pumice	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Crystal/Grain size?		
Mafic or Felsic?		Intrusive or Extrusive?

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Scoria	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Crystal/Grain size?		
Mafic or Felsic?		Intrusive or Extrusive?

- Compare Sandstone, Pumice, and Scoria. 2 differences and 2 similarities

3

Basalt	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Crystal/Grain size?</p> <p>Mafic or Felsic?</p>		<p>Intrusive or Extrusive?</p>

5

Slate	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Foliated or Non-Foliated?</p>		

2

Hornfels	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Foliated or Non-Foliated?</p>		

- Compare Basalt, Hornfels, and Slate. 2 differences and 2 similarities

<b>C1</b>	<b>Conglomerate</b>	<b>Sedimentary / Igneous/ Metamorphic</b>	
	<b>What does it look like?</b>	<b>What does it feel like?</b>	<b>What is it made of?</b>
			<b>Where is found?</b>

<b>F1</b>	<b>Fossil</b>	<b>What type of rock is it found in? Ign, Met, Sed?</b>	
	<b>What does it look like?</b>	<b>What does it feel like?</b>	<b>What is it made of?</b>
			<b>Where did this creature live?</b>

**Conclusion:**

**Write 2-3 sentences on what you learned by doing this lab.**